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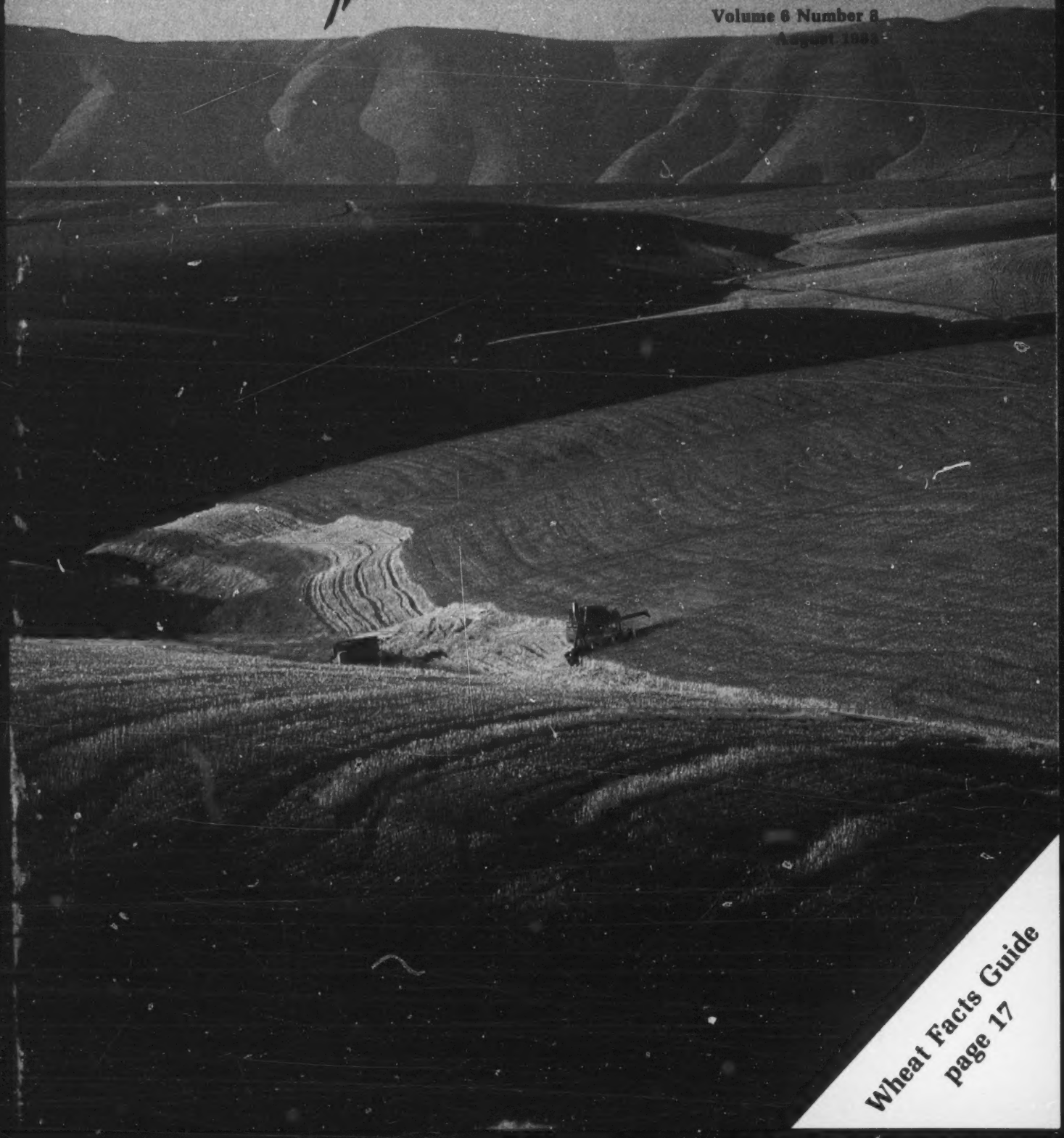

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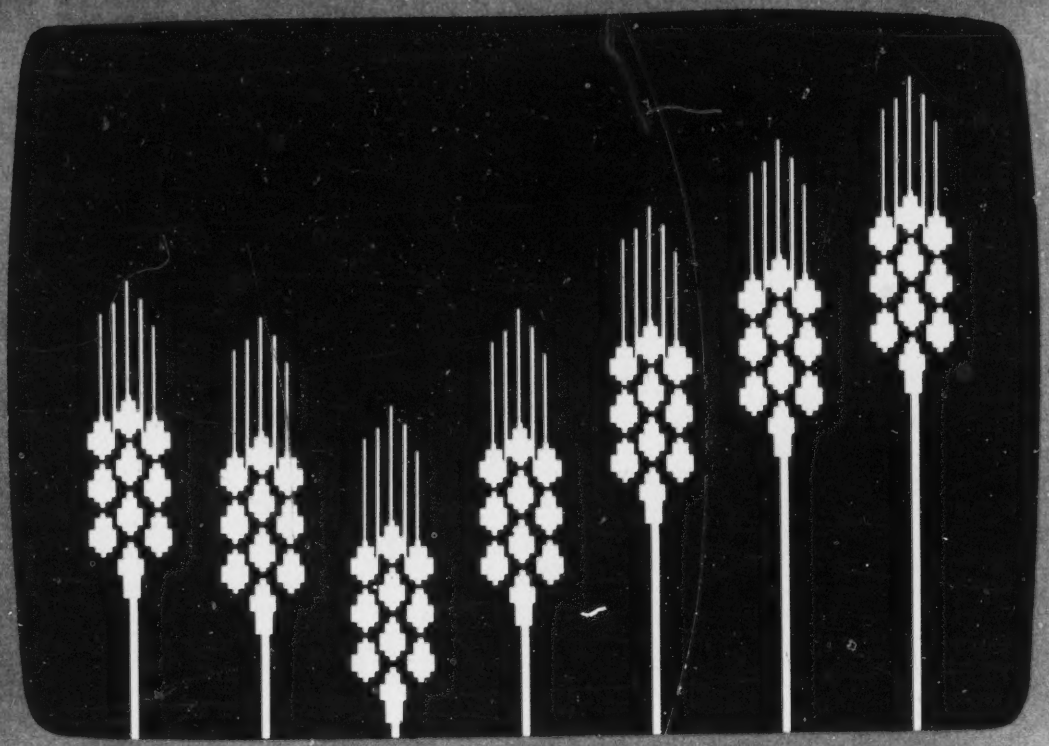
1983 Wheat Facts

A Concise Guide



National Association
of Wheat Growers

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Major Events Affecting Wheat Growers

July 1972	Soviet Union purchases 9.5 million metric tons of wheat; 3.7 million metric tons of corn; $750 million credit.
August 1972	1973 Farm Act signed into law by President Nixon; wheat target price at $2.05 a bushel; loan rate at $1.35.
June 1973	Embargo on the U.S. exports of soybeans and other commodities imposed.
October 1974	Wheat and corn sale contracts to the Soviet Union totaling 3.2 million metric tons are cancelled.
May 1975	Emergency Farm Legislation adopted in the House and Senate; wheat target price at $3.10 a bushel; wheat loan level at $2.50 a bushel; vetoed by President Ford.
August 1975	Secretary Butz announces moratorium on Soviet grain purchases.
September 1975	Soviet Union grain sales moratorium cancelled, sales ban expanded to include Poland.
October 1975	Polish ban lifted. President Ford announces a five-year U.S. - USSR grain agreement; moratorium ended.
September 1977	Agriculture Act of 1977 signed into law.
May 1978	Emergency Farm Legislation signed by President Carter authorizing a $3.40 target price for wheat in 1978.
January 1980	President Carter halts all U.S. grain shipments above eight MMT to the USSR in response to Soviet invasion of Afghanistan.
March 1980	President Carter signs Agricultural Adjustment Act of 1980 increasing 1980 wheat target price to $3.63.
December 1980	President Carter signs Agricultural Trade Suspension Adjustment Act of 1980 increasing 1980 wheat loan to $3.00 a bushel, and reserve loan to $3.30.
April 1981	President Reagan lifts Soviet grain embargo.
April 1981	Secretary of Agriculture Block increases the 1981 wheat loan to $3.20 per bushel and reserve loan to $3.50 per bushel.
August 1981	U.S. and Soviets agree to one-year extension of long-term grain supply agreement.
September 1981	Secretary Block announces proposed 1982 wheat program, including 15 percent acreage reduction.
December 1981	President Reagan signs new four-year farm bill, mandating increased 1982 crop wheat loan to $3.55 and 1982 target to $4.05.
December 1981	President Reagan postpones negotiations on a new long-term grain agreement with the USSR in response to Polish Crisis.
February 1982	Secretary Block finalizes 1982 program, including $4.00 reserve loan and $4.65 trigger for wheat.
July 1982	1983 wheat program announcement includes 20 percent acreage reduction, extension of current loan levels, and target increase to $4.30.
July 1982	President Reagan announces offer to extend U.S. - Soviet grain agreement for one year.
January 1983	Secretary Block announces Payment-In-Kind program (PIK) for major 1983 crops.

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Annual U.S. Wheat Production

CROP YEAR	ACREAGE PLANTED million acres	ACREAGE HARVESTED million acres	YIELD PER HARVESTED ACRE bushels	PRODUCTION million bushels
1960	54.9	51.9	26.1	1,354.7
1961	55.7	51.6	23.9	1,232.4
1962	49.3	43.7	25.0	1,092.0
1963	53.4	45.5	25.2	1,146.8
1964	55.7	49.8	25.8	1,283.4
1965	57.4	49.6	26.5	1,315.6
1966	54.1	49.6	26.3	1,304.9
1967	67.3	58.4	25.8	1,507.6
1968	61.9	54.8	28.4	1,556.7
1969	53.5	47.1	30.6	1,442.7
1970	48.7	43.6	31.0	1,351.6
1971	53.8	47.7	33.9	1,618.6
1972	54.9	47.3	32.7	1,546.2
1973	59.3	54.1	31.6	1,710.8
1974	71.0	65.4	27.3	1,781.9
1975	74.9	69.5	30.6	2,126.9
1976	80.4	70.9	30.3	2,148.8
1977	75.4	66.7	30.7	2,045.5
1978	66.0	56.5	31.4	1,775.5
1979	71.4	62.5	34.2	2,134.1
1980	80.6	71.0	33.4	2,374
1981	88.9	81.0	34.5	2,799
1982*	87.3	78.8	35.6	2,809
1983*+	76.6	61.4	40.1	2,353

*Projection, July 1983
+Payment-In-Kind program initiated
Source: FAS, ERS, USDA

Wheat Production in NAWG States

1980-1982

	AREA HARVESTED			YIELD			PRODUCTION		
STATE	1980	1981	1982	1980	1981	1982	1980	1981	1982
	1,000 ACRES			BUSHELS			1,000 BUSHELS		
ARIZ	215	258	143	80.0	84.7	86.8	17,200	21,844	12,407
CALIF	1,150	1,365	1,125	74.3	78.5	72.6	85,500	107,085	81,625
COLO	3,400	3,108	3,048	32.4	28.3	28.7	110,300	87,877	87,504
IDAHO	1,550	1,510	1,500	62.0	59.5	62.8	96,030	89,780	94,200
KANS	12,000	12,200	13,200	35.0	25.0	35.0	420,000	305,000	462,000
MINN	3,169	3,610	3,184	32.4	39.9	39.8	102,556	144,025	126,809
MONT	5,100	5,820	5,360	23.5	29.7	34.2	119,800	172,830	183,560
NEBR	2,850	2,900	2,900	38.0	36.0	35.0	108,300	104,400	101,500
N MEX	500	500	530	21.0	22.0	25.0	10,500	11,000	13,250
N DAK	9,620	11,690	10,490	18.7	28.4	31.5	179,650	331,700	330,785
OKLA	6,500	6,400	6,900	30.0	27.0	33.0	195,000	172,800	227,700
OREG	1,350	1,310	1,200	57.3	59.1	53.8	77,400	77,380	64,500
S DAK	3,245	3,820	3,595	19.2	23.3	27.7	62,425	88,970	99,630
TEX	5,200	6,550	6,000	25.0	28.0	24.0	130,000	183,400	144,000
WASH	3,160	3,050	2,840	50.7	55.2	48.9	160,220	168,350	138,880
WYO	315	284	309	27.4	29.7	27.9	8,620	8,430	8,628

Source: SRS, USDA

U.S. Wheat: Marketing Year Wheat Supply and Disappearance

YEAR BEGINNING JUNE 1	SUPPLY				DISAPPEARANCE			MAY 31
	BEGINNING STOCKS	PRODUCTION	IMPORTS	TOTAL	DOMESTIC DISAPPEARANCE	EXPORTS/1	TOTAL DISAPPEARANCE	ENDING STOCKS
	---Million Bushels---							
1965/66	817	1,316	1	2,134	732	867	1,599	535
1966/67	535	1,305	2	1,842	674	744	1,418	424
1967/68	424	1,508	1	1,933	633	761	1,394	539
1968/69	539	1,556	1	2,096	735	544	1,279	817
1969/70	817	1,443	3	2,263	772	606	1,378	885
1970/71	885	1,352	1	2,238	769	738	1,507	731
1971/72	731	1,619	1	2,351	856	632	1,488	863
1972/73	863	1,546	1	2,410	786	1,027	1,813	597
1973/74	597	1,711	3	2,311	754	1,217	1,971	340
1974/75	340	1,782	3	2,125	672	1,018	1,690	435
1975/76	435	2,122	2	2,559	721	1,173	1,894	665
1976/77	665	2,142	3	2,810	748	950	1,698	1,112
1977/78	1,112	2,036	2	3,150	849	1,124	1,973	1,177
1978/79	1,177	1,798	1	2,976	857	1,194	2,051	925
1979/80	924	2,134	2	3,060	783	1,375	2,158	902
1980/81	902	2,374	3	3,279	776	1,514	2,290	989
1981/82 1/	989	2,799	3	3,791	854	1,773	2,627	1,164
1982/83 2/	1,164	2,809	7	3,980	905	1,525	2,430	1,550
1983/84	1,550	2,437	3	3,990	960	1,400	2,360	1,546

1/ Estimated

2/ Projected as of July 13, 1982

Source: World Agricultural Outlook Board, USDA

U.S. Wheat by Classes: Supply and Disappearance 1/

Year beginning June 1	Hard Winter	Hard Spring	Soft Red	White	Durum	Total
1982/83 ESTIMATED			Million bushels			
Beginning stocks	539	348	60	109	108	1,164
Production	1,255	500	610	296	148	2,809
Supply, total 2/	1,794	852	670	405	259	3,980
Domestic use	358	186	271	55	58	928
Exports	680	240	325	207	59	1,511
Use, total	1,038	426	596	262	117	2,439
Ending stocks	756	426	74	143	142	1,541
1983/84 PROJECTED						
Beginning stocks	756	426	74	143	142	1,541
Production	1,167	370	502	308	90	2,437
Supply, total 2/	1,923	797	576	451	234	3,981
Domestic use	428	178	270	58	46	980
Exports	660	225	255	200	60	1,400
Use, total	1,088	403	525	258	106	2,380
Ending stocks	835	394	51	193	128	1,601

1/ Includes flour and products in wheat equivalent.
2/ Total supply includes imports.

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Old Crop Wheat Stocks by State

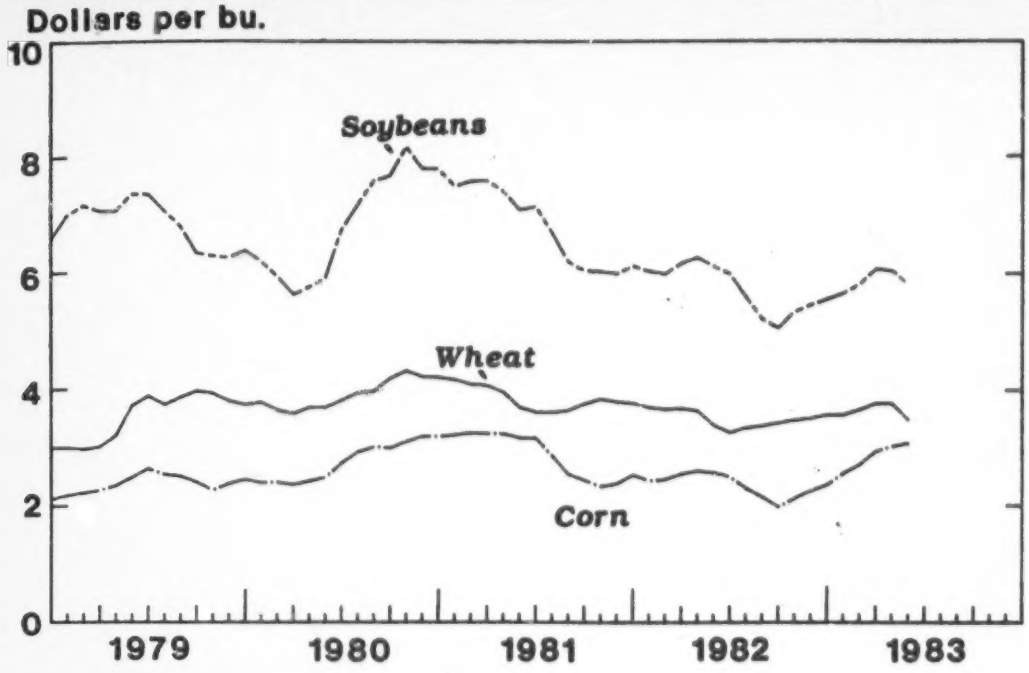
JUNE 1, 1982-83

STATE	ON FARMS	OFF FARMS 1/	TOTAL ALL POSITIONS	ON FARMS	OFF FARMS 1/	TOTAL ALL POSITIONS
	1982			1983		
	1,000 BUSHELS					
ALA	298	*	*	528	662	1,190
ARIZ	44	279	323	124	454	578
ARK	203	300	503	1,304	1,550	2,854
CALIF	1,606	3,700	5,306	816	4,235	5,051
COLO	31,636	20,500	52,136	34,127	25,900	60,027
CONN		*	*			
DEL	10	20	30	10	31	41
FLA		*	*		*	*
GA	460	362	822	977	488	1,465
IDAHO	18,854	10,914	29,768	24,492	14,513	39,005
ILL	1,850	15,910	17,760	2,363	18,500	20,863
IND	932	2,931	3,863	1,161	4,036	5,197
IOWA	146	809	955	90	1,303	1,393
KANS	36,600	137,547	174,147	46,200	215,762	261,962
KY	428	419	847	921	673	1,594
LA	69	*	*	95	1,225	1,320
MAINE		*	*			
MD	28	303	331	61	195	256
MASS						
MICH	2,490	6,652	9,142	1,722	4,998	6,720
MINN	70,572	31,300	101,872	71,013	33,405	104,418
MISS	144	58	202	399	572	971
MO	5,775	9,230	15,005	3,033	13,704	16,737
MONT	74,317	13,940	88,257	93,616	20,000	113,616
NEBR	27,144	40,987	68,131	22,330	53,466	75,796
NEV	315	*	*	473	*	*
NH						
NJ	24	*	*	39	*	*
N MEX	1,210	2,158	3,368	1,590	4,836	6,426
NY	845	6,929	7,774	653	6,591	7,244
NC	390	1,533	1,923	864	1,693	2,557
N DAK	199,020	32,241	231,261	258,012	54,000	312,012
OHIO	1,089	9,975	11,064	1,375	11,045	12,420
OKLA	6,912	54,188	61,100	9,108	91,258	100,366
OREG	10,059	15,610	25,669	9,030	18,463	27,493
PA	486	1,695	2,181	246	2,010	2,256
RI						
SC	287	215	502	495	451	946
S DAK	62,279	15,965	78,244	75,719	24,487	100,206
TENN	636	2,003	2,639	1,346	1,745	3,091
TEX	1,834	76,378	78,212	3,600	133,786	137,386
UTAH	1,628	4,016	5,644	2,106	4,826	6,932
VT		*	*		*	*
VA	343	485	828	422	920	1,342
WASH	16,835	47,425	64,260	20,832	64,282	85,114
W VA	18	*	*	10	*	*
WIS	662	12,281	12,943	504	7,978	8,482
WYO	2,529	703	3,232	3,020	1,741	4,761
UNALL*		2,941	3,665		750	1,272
US	581,007	582,902	1,163,909	694,826	846,534	1,541,360

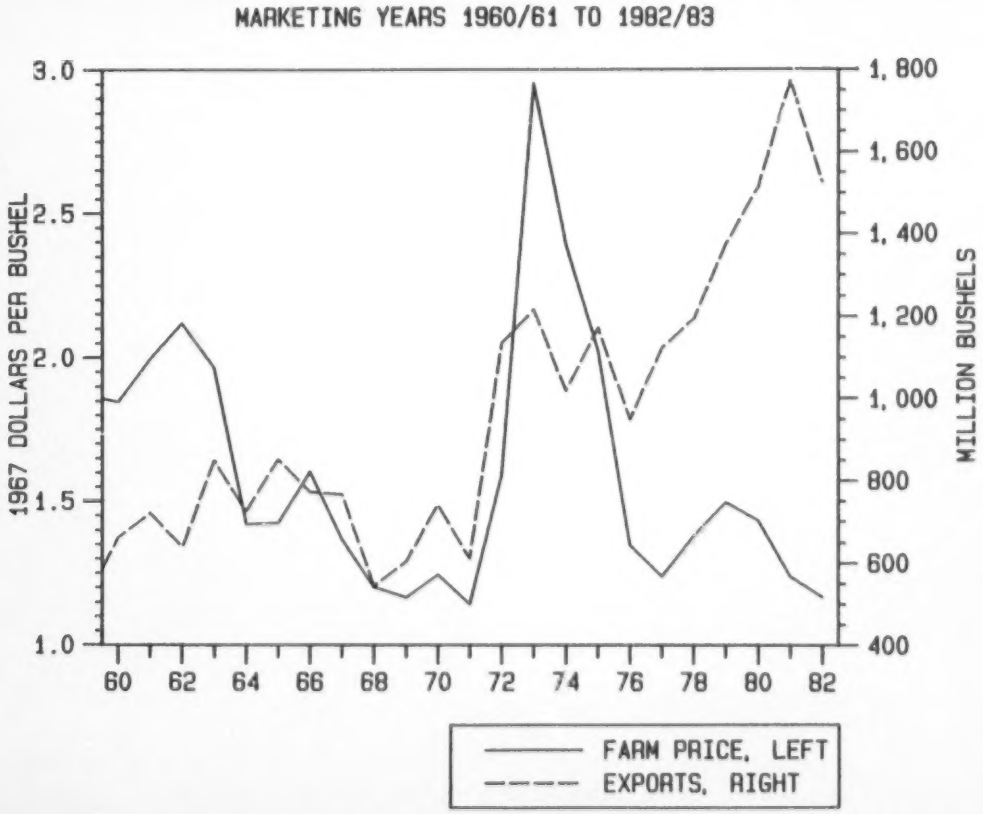
* INCLUDED IN UNALLOCATED TO AVOID DISCLOSING INDIVIDUAL OPERATIONS.
1/ INCLUDES STOCKS AT MILL, ELEVATORS, WAREHOUSES, TERMINALS, AND PROCESSORS.

GRAIN STOCKS, JUNE 1983 CROP REPORTING BOARD, SRS, USDA

Prices Received by U.S. Farmers



Real Farm Price of Wheat and Wheat Exports



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Monthly Prices Received by Farmers: All Wheat

By States, 1981-82, United States, 1977-82

STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YR AVG
						DOLLARS PER BUSHEL							
						1982							
ARIZ	3.85	3.94	3.24	3.66	3.49	3.54	3.27	3.59	4.10	3.93	3.92	3.92	3.70
ARK	3.52	3.39	3.50	3.22	3.30	3.24	3.14	2.92	2.86	2.70	2.85	3.08	3.14
CALIF	4.24	4.00	3.94	3.76	3.63	3.63	3.68	3.75	3.88	3.80	4.08	4.12	3.88
COLO	3.68	3.58	3.59	3.60	3.51	3.41	3.26	3.14	3.23	3.26	3.33	3.41	3.42
IDAHO	3.76	3.67	3.57	3.61	3.52	3.55	3.54	3.54	3.58	3.61	3.67	3.63	3.61
ILL	3.88	3.42	3.40	3.51	3.25	3.03	3.10	2.99	2.96	2.88	3.03	3.16	3.22
IND	3.69	3.30	3.31	3.33	3.35	3.21	3.14	3.08	2.91	2.73	2.99	3.01	3.17
KANS	3.81	3.81	3.76	3.74	3.74	3.40	3.30	3.29	3.31	3.23	3.38	3.49	3.52
MICH	3.52	3.27	3.38	3.22	3.20	3.21	3.29	3.30	3.23	2.79	3.00	3.18	3.22
MINN	3.75	3.72	3.70	3.76	3.75	3.67	3.65	3.49	3.46	3.47	3.55	3.42	3.62
MO	3.47	3.43	3.29	3.38	3.14	3.09	2.80	2.87	2.76	2.63	2.98	3.20	3.09
MONT	3.81	3.76	3.72	3.80	3.73	3.64	3.60	3.44	3.46	3.45	3.50	3.55	3.63
NEBR	3.68	3.67	3.69	3.65	3.59	3.50	3.30	3.21	3.23	3.22	3.27	3.39	3.45
N DAK	3.57	3.59	3.55	3.62	3.62	3.53	3.46	3.34	3.30	3.32	3.40	3.28	3.46
OHIO	3.73	3.38	3.35	3.39	3.28	3.18	3.20	3.05	2.93	2.73	3.08	3.10	3.20
OKLA	3.91	3.84	3.77	3.84	3.76	3.47	3.39	3.33	3.37	3.40	3.43	3.49	3.58
OREG	3.96	3.76	3.76	3.86	3.83	3.72	3.80	3.82	3.79	3.93	3.98	4.16	3.86
S DAK	3.56	3.48	3.55	3.54	3.56	3.54	3.46	3.37	3.43	3.42	3.50	3.41	3.48
TEX	3.77	3.63	3.77	3.72	3.55	3.42	3.25	3.29	3.29	3.26	3.49	3.55	3.50
WASH	3.99	3.94	3.89	3.79	3.84	3.88	3.78	3.83	3.89	3.90	4.05	4.10	3.91
						1981							
ARIZ	4.54	4.96	4.35	4.24	4.80	4.73	4.44	4.05	4.14	3.69	3.68	4.01	4.30
ARK	4.19	3.67	3.52	3.53	3.78	3.60	3.37	3.51	3.49	3.44	3.27	3.76	3.59
CALIF	4.60	4.10	4.27	4.30	4.44	4.32	4.49	4.01	4.12	4.32	4.27	4.17	4.28
COLO	3.90	4.03	3.71	3.71	3.66	3.53	3.47	3.43	3.54	3.62	3.68	3.62	3.66
IDAHO	3.86	3.74	3.84	3.77	3.79	3.90	3.57	3.52	3.63	3.78	3.74	3.54	3.72
ILL	4.56	4.41	4.17	4.13	3.67	3.14	3.43	3.43	3.49	3.58	3.78	3.74	3.79
IND	4.20	4.07	3.84	3.91	3.47	3.08	3.47	3.41	3.57	3.74	3.77	3.63	3.68
KANS	4.04	3.96	3.83	3.92	3.81	3.71	3.70	3.67	3.74	3.82	3.95	3.91	3.84
MICH	4.00	3.58	3.24	3.07	2.94	2.96	3.42	3.49	3.60	3.81	3.78	3.59	3.46
MINN	4.28	4.38	4.25	4.25	4.20	4.07	3.97	3.76	3.79	3.84	3.80	3.76	4.03
MO	4.58	4.35	3.99	3.95	3.57	3.32	3.42	3.19	3.23	3.28	3.52	3.65	3.67
MONT	4.31	4.46	4.30	4.41	4.27	4.16	3.72	3.59	3.55	3.65	3.80	3.75	4.00
NEBR	4.02	3.92	3.83	3.87	3.79	3.81	3.74	3.63	3.60	3.64	3.85	3.72	3.78
N DAK	4.67	4.46	4.41	4.37	4.23	3.99	3.76	3.58	3.49	3.54	3.62	3.50	3.97
OHIO	4.68	4.31	4.11	4.02	3.64	3.40	3.54	3.52	3.67	3.76	3.87	3.74	3.85
OKLA	4.23	4.03	3.94	3.99	3.82	3.82	3.76	3.83	3.87	3.77	4.00	3.92	3.91
OREG	4.05	4.15	4.20	4.19	4.11	3.97	3.88	3.89	3.86	3.88	3.91	3.81	3.99
S DAK	4.47	4.46	4.25	4.21	4.33	4.18	3.78	3.62	3.57	3.56	3.66	3.59	3.97
TEX	4.19	4.00	3.84	3.93	3.69	3.64	3.57	3.54	3.73	3.78	3.88	3.83	3.80
WASH	4.20	4.23	4.19	4.05	4.25	4.09	3.97	3.92	3.89	4.02	4.09	4.20	4.09
YEAR						UNITED STATES							
1982	3.78	3.70	3.67	3.68	3.64	3.39	3.26	3.34	3.38	3.43	3.48	3.51	3.52
1981	4.21	4.17	4.09	4.07	3.95	3.70	3.62	3.62	3.65	3.77	3.85	3.80	3.87
1980	3.74	3.78	3.64	3.58	3.69	3.69	3.81	3.94	3.99	4.19	4.32	4.22	3.86
1979	2.99	2.99	2.97	3.01	3.20	3.72	3.89	3.74	3.87	3.98	3.94	3.81	3.51
1978	2.53	2.59	2.67	2.82	2.82	2.81	2.81	2.88	2.92	2.99	3.04	3.01	2.82
1977	2.43	2.47	2.43	2.37	2.19	2.03	2.04	2.13	2.16	2.30	2.46	2.47	2.29

ANNUAL PRICE SUMMARY, JUNE 1983 CROP REPORTING BOARD, SRS, USDA

Wheat Program Summary

CROP YEAR	PRODUCTION	NATIONAL AVERAGE SUPPORT PRICE 1/			AVERAGE PRICE TO FARMERS	FARM VALUE	GOVERNMENT PAYMENTS
	(million bushels)	(per bushel)			(per bushel)	(million $)	(million $)
(For statistics for 1933 through 1959, see Wheat Commodity Fact Sheet for 1979.)							
1960	1,354.7		$1.78		$1.74	$2,361.2	
1961	1,232.4		1.79		1.83	2,254.7	
1962	1,092.0		2.00		2.04	2,225.7	$285.5 Diversion
1963	1,146.8	2.00a	.18b	1.82c	1.85 (2.03)g	2,125.3	242.6 Diversion & pr. sup.
1964	1,283.4	2.00d	.70e	.25f 1.30c	1.37 (1.80)g	1,757.0	442.9 Div. & Certificates
1965	1,315.6	2.00d	.75e	.30f 1.25c	1.35 (1.79)g	1,774.5	509.2 " "
1966	1,304.9	2.57d	1.32e	1.25c	1.63 (2.22)g	2,129.9	681.3 " "
1967	1,507.6	2.61d	1.36e	1.25c	1.39 (1.87)g	2,090.1	727.1 Certificates
1968	1,556.7	2.63d	1.38e	1.25c	1.24 (1.79)g	1,929.1	746.0 " "
1969	1,442.7	2.77d	1.52e	1.25c	1.25 (1.89)g	1,795.7	855.9 Div. & Certificates
1970	1,351.6	2.82d	1.57e	1.25c	1.33 (2.08)g	1,803.2	871.0 " "
1971	1,618.6	2.93d	1.63h	1.25c	1.34 (1.88)g	2,166.7	885.7
1972	1,546.2	3.02d	1.34h	1.25c	1.76 (2.23)g	2,704.1	858.7 Div. & Certificates
1973	1,710.8	3.39d	.68h	1.25c	3.95 (4.17)g	6,719.2	478.2 " "
1974	1,781.9	2.05i	--	1.37c	4.09 --	7,287.0	None Div. or Deficiency
1975	2,126.9	2.05i	--	1.37c	3.56 --	7,553.0	None " "
1976	2,148.8	2.29i	--	2.25c	2.73 --	5,870.0	None " "
1977	2,045.5	2.90j	--	2.25c	2.33 --	4,766.0	996.4 Deficiency
1978	1,775.5	3.40K	--	2.35c	2.97	5,280.6	632.5 " , Hay & Grazing
1979	2,134.1	3.40K	--	2.50c	3.78	8.070.4	None
1980	2,374.5	3.08/3.63m	--	3.00/3.30n	3.91	9,278	None
1981	2,798.7	3.81k	--	3.20/3.50n	3.65	10,225	415.0 Deficiency
1982	2,808.7	4.05k	--	3.55/4.00n	3.45*	9,691*	475.0* Deficiency
1983		4.30k	--	3.65/3.65n			

* Preliminary

Footnotes

1/ For 1960 through 1963 crops, support outside the commercial area was 75 percent of the rate reflecting the U.S. average level.

a Total support.
b Price support payment.
c Loan rate.
d Support for wheat used for domestic food.
e Domestic marketing certificate value.
f Export marketing certificate value.
g Blended average price to program participants, reflecting national average price received by farmers and the marketing certificate value averaged for participant's total production.
h The martketing certificate payment rate was the difference between the price received by farmers the first five months (July-November) of the marketing year and 100 percent of wheat parity on July 1. An advance payment equal to 75 percent of the estimated face value of the certificate was made to eligible producers.
i Established target price, guaranteed on production from allotment acreage.
j Established target price on planted allotment acreage; established target price on unplanted allotment acreage was $2.47.
k Establihsed target price.
m Target price $3.63 if planted within NCA; $3.08, if exceeded NCA.
n Loan rate for regular loans/loan rate for wheat in the farmer-owned reserve.

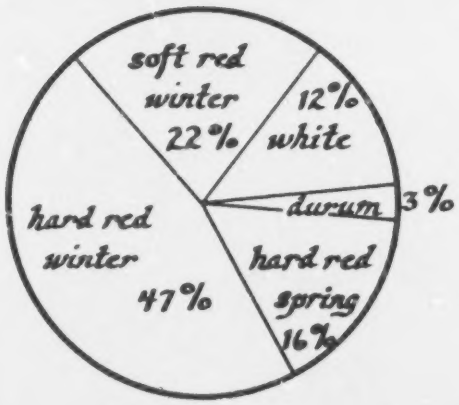
Sponsored by Du Pont Agrichemicals

Wheat Program Summary

YEAR	NUMBER OF FARMS PARTICIPATING	ACREAGE ALLOTMENT ON FARMS PARTICIPATING	NATIONAL ACREAGE ALLOTMENT 1/	ACREAGE DIVERTED SET-ASIDE ON FARMS PARTICIPATING	PAYMENTS, DIVERSION & SG&H *	MARKETING CERTIFICATE/ DEFICIENCY PAYMENTS
1960	not available	not available	55,000,000	none	none	none
1961	not available	not available	55,000,000	none	none	none
1962	777,714	41,183,000	55,000,000	10,699,000	$285,524,000	none
1963	409,890	25,023,000	55,000,000	7,161,000	163,394,000	$ 79,200,00 2/
1964	584,955	39,267,000	53,200,000	5,123,000	32,716,000	410,176,000
1965	819,535	43,465,000	53,300,000	7,185,000	36,882,000	472,338,000
1966	809,079	42,120,000	51,600,000	8,257,000	26,156,000	655,186,000
1967	769,295	56,887,000	68,200,000	none	none	727,053,000
1968	803,050	50,155,000	59,300,000	none	none	745,974,000
1969	953,318	45,243,000	51,600,000	11,097,000	71,612,000	784,336,000
1970	923,302	39,867,000	45,500,000	15,723,000	62,548,000	808,458,000
				Set-Aside Provision		
1971	1,011,954	18,122,000	19,700,000 3/	13,500,000 4/	----	885,653,000
1972	976,338	18,314,000	19,700,000 3/	20,106,000	132,000,000	726,670,000
1973	1,053,360	17,783,000	18,700,000 3/	7,372,000	103,024,000	375,226,000
1974	NA**	NA	55,000,000	NA	NA	NA
1975	NA	NA	53,500,000	NA	NA	NA
1976	NA	NA	61,600,000	NA	NA	NA
1977	NA	NA	62,200,000	none	none	996,416,000
1978	not available	41,965,000	58,800,000 5/	9,600,000 7/	15,116,000	617,353,000
1979	not available	36,142,300	70,100,000 5/	8,200,000 7/	none	none
1980	666,143	73,349,613	75,000,000 5/	none	none	none
1981	782,608	81,725,768	84,500,000 5/	none	none	414,588,000
1982	222,912	43,753,209	90,661,347 9/	5,800,000	none	460,000,000 6/

1/ 1964 through 1969 includes the increase in small farm allotment authorized by law.
2/ Price support payments in 1963.
3/ Domestic Allotment
4/ Required Set-Aside
5/ National Program Acreage
6/ Preliminary
7/ Includes set-aside and special grazing and hay program acreage.
8/ Established acreage base computed from 1981 planted acres, or average of 1980, 1981 planted acres.
9/ Acreage base eligible to participate in program
* SG&H - Special Grazing and Hay Program
** NA: not applicable

1983 U.S. Wheat Production by Class: 2.3 Billion Bushels



Commodity Loan and Target Prices

Commodity	Loans 1982 Crop Regular	Loans 1982 Crop Reserve	Loans 1983 Crop Regular	Loans 1983 Crop Reserve	Target Prices 1982	Target Prices 1983
Wheat ($ bu)	3.55	4.00	3.65	---[1]	4.05	4.30
Corn ($ bu)	2.55	2.90	2.65	---[1]	2.70	2.86
Sorghum ($ bu)	2.42	2.75	2.52	---[1]	2.60	2.72
Oats ($ bu)	1.31	1.49	1.36	---[1]	1.50	1.60
Barley ($ bu)	2.08	2.37	2.16	---[1]	2.60	2.60
Soybeans ($ bu)	5.02	NA	5.02	NA	NA	NA
Rice ($/cwt)	8.14	NA	8.14	NA	10.85	11.40
Cotton ($/lb)	0.57	NA	0.55	NA	0.71	0.76

NA = Not applicable
[1] No reserve loan premium for 1983 crops
The farmer-owned reserve will be operated for wheat, corn, sorghum, and barley. No special reserve loan will be offered and commodities will only be permitted entry after regular CCC loans mature.

PIK Program Participation

Item	Wheat	Corn & Sorghum	Barley[1] & Oats	Upland Cotton	Rice	Total
	(million acres)					
Program Base Acres	90.9	101.2	19.6	15.4	4.0	231.1
Base Acres Enrolled	78.4	78.9	11.7	14.6	3.9	187.5
Acres Diverted:						
ARP and PLD Only	6.4	3.9	2.3	0.5	0.1	13.2
PIK	25.9	35.9	---	6.3	1.7	69.8
Total	32.3	39.8	2.3	6.8	1.8	83.0

[1]No PIK program for barley and oats

CCC Commodity Acquisitions for PIK Payments

Item	Corn (mil. bu.)	Sorghum (mil. cwt.)	Wheat (mil. bu.)	Cotton (mil. bales)	Rice (mil. cwt.)
PIK Payments Needs	1.764	114.2	548.6	4.5[1]	40[1]
Available from:					
CCC Inventory	474[2]	261[2]	0[3]	0.1	17
Anticipated Loan Liquidations	818	48.0	233.1	2.6	23
Shortfalls	472	40.1	315.5	1.8	0
CCC Acquisition from Farmer Loans	761	92.7	223.0	0.6	0

1 PIK needs for cotton and rice have not been determined by USDA
2 Includes 44 million bushels of corn and 28 million bushels of sorghum held in the Disaster Reserve
3 CCC inventory on May 4 2as 182.3 million bushels. 147 million bushels in the Food Security Reserve which cannot be used domestically with the balance required to subsidize the export of a previous flour sale to Egypt
Source: USDA

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Wheat Parity Prices

Annual Averages		1982, Monthly		1983, Monthly	
1950	$ 2.21	January	$ 7.16	January	$ 7.28
1955	2.51	February	7.18	February	7.30
1960	2.37	March	7.22	March	7.33
1965	2.56	April	7.22	April	7.37
1970	2.82	May	7.26	May	7.39
1975	4.57	June	7.30	June	7.41
		July	7.33		
1977	5.03	August	7.28		
1978	5.27	September	7.28		
1979	5.94	October	7.25		
1980	6.57	November	7.26		
1981	7.07	December	7.25		
1982	7.25				

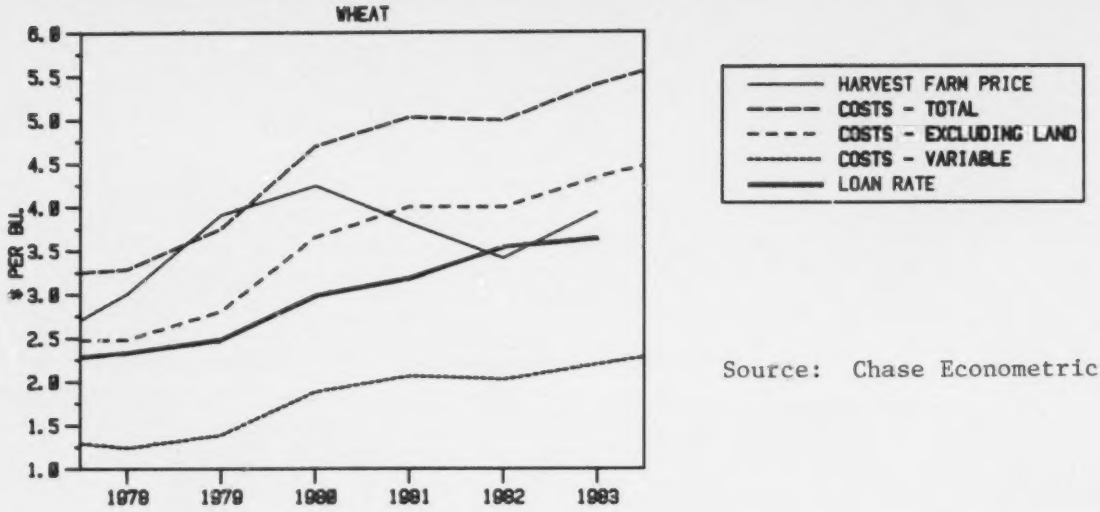
1976-83 Cost of Production

ALL WHEAT - TOTAL U.S.

	1976	1977	1978	1979	1980	1981	1982 (B)	1983 (B)
	Costs per acre, in dollars							
Total Variable Costs	39.59	37.24	37.14	45.05	56.39	65.04	66.38	66.54
Seed	5.83	3.93	4.00	5.01	6.51	7.03	6.56	6.35
Fertilizer	10.22	9.28	8.02	9.90	13.63	16.63	16.65	16.78
Lime	0.15	0.13	0.12	0.16	0.23	0.34	0.36	0.37
Chemicals	1.30	1.14	2.12	2.08	2.23	2.29	2.48	2.39
Custom Operations	3.24	2.82	2.35	2.68	2.95	3.28	3.42	3.39
Labor	7.18	8.02	8.06	8.63	9.28	10.35	10.74	10.57
Fuel and Lubrication	4.87	4.80	5.06	7.64	10.62	12.36	12.14	12.08
Repairs	4.90	5.24	5.72	6.47	7.23	8.09	8.83	9.17
Purchased Water	0.32	0.50	0.18	0.25	0.29	0.29	0.29	0.30
Interest	1.58	1.38	1.39	2.09	3.22	4.12	4.65	4.88
Misc.	0.00	0.00	0.12	0.14	0.20	0.26	0.26	0.27
Machinery	17.58	18.69	23.26	29.21	34.25	39.87	42.85	45.67
General Farm Overhead	5.78	6.16	7.15	8.45	8.80	9.69	9.82	10.01
Management	6.16	6.21	6.76	8.27	9.94	11.46	11.83	12.24
Total Cost Excluding Land	69.11	68.30	74.30	90.98	109.38	126.06	130.88	134.46
Land Costs (Share Renter (C))	34.56	34.15	37.15	45.49	54.69	63.03	65.44	67.23
Total Cost	103.67	102.45	111.45	136.47	164.07	189.09	196.33	201.70
Yield/Acreage Planted (BU.)	27.1	27.7	29.9	32.4	29.9	31.5	32.5	35.0
Value of Pasture/BU.	0.06	0.12	0.13	0.11	0.14	0.14	0.15	0.16
Total Cost/BU.	69110	68300	74300	90980	109380	126060	130884	134464

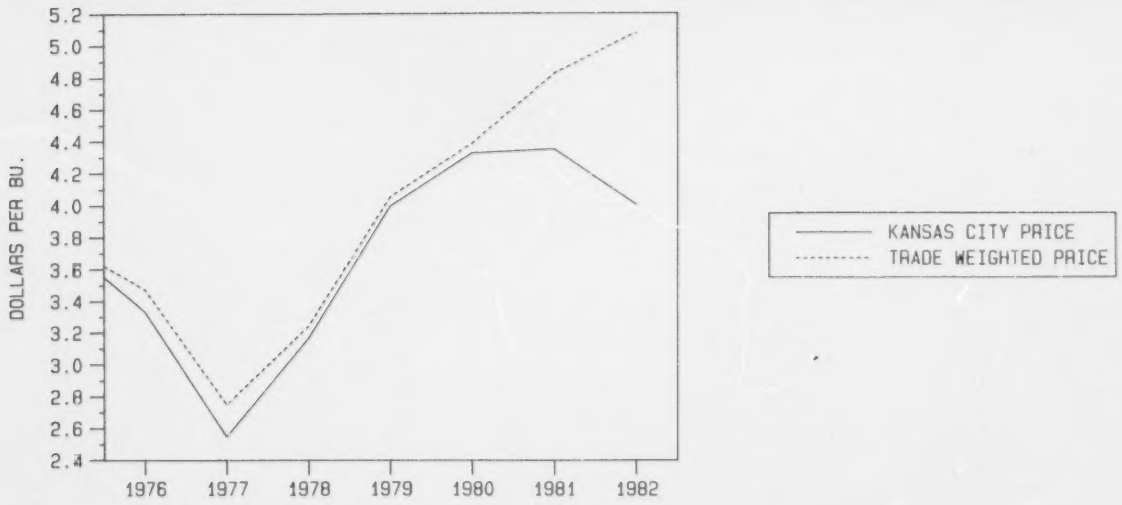
(A) Source: USDA, cost of producing selected crops.
(B) Chase Econometrics Projections.
(C) Source: NAWG estimated as one-half of total costs excluding land.

Farm Price Vs. Production Costs Per Bushel



Source: Chase Econometrics

U.S. Kansas City Wheat Price and Trade Weighted Wheat Price



Footnote: Foreign currency value of U.S. dollar, weighted by relative size of agricultural trade with the U.S. An increasing value indicates that dollar has appreciated against the basket of currencies represented in the wheat market.

Source: Chase Econometrics

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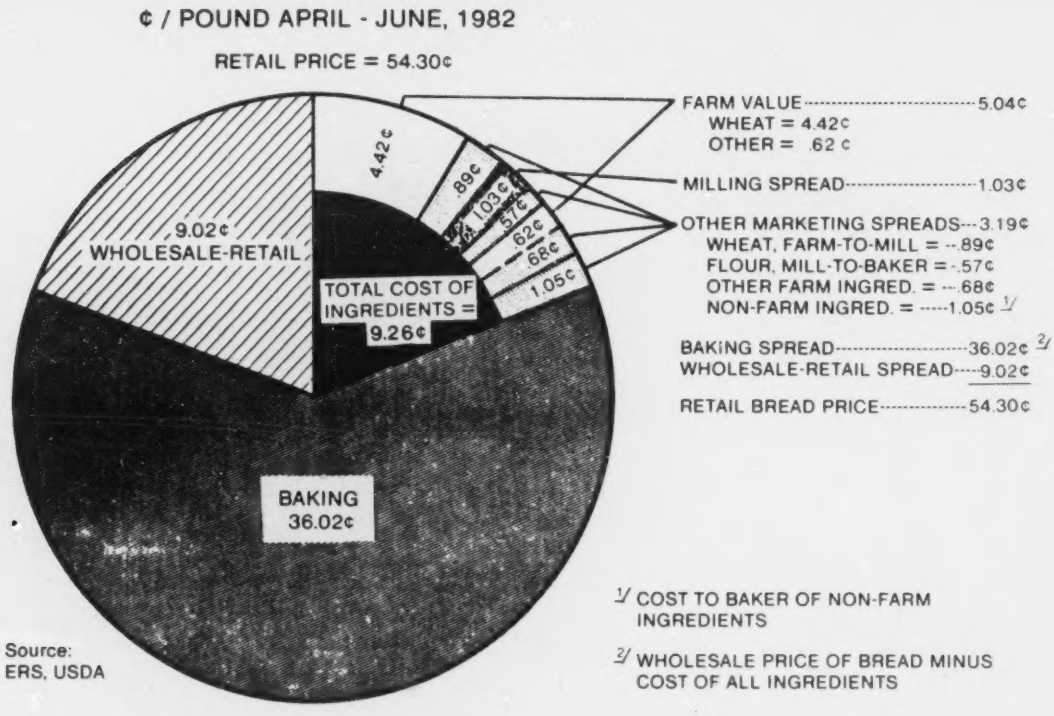
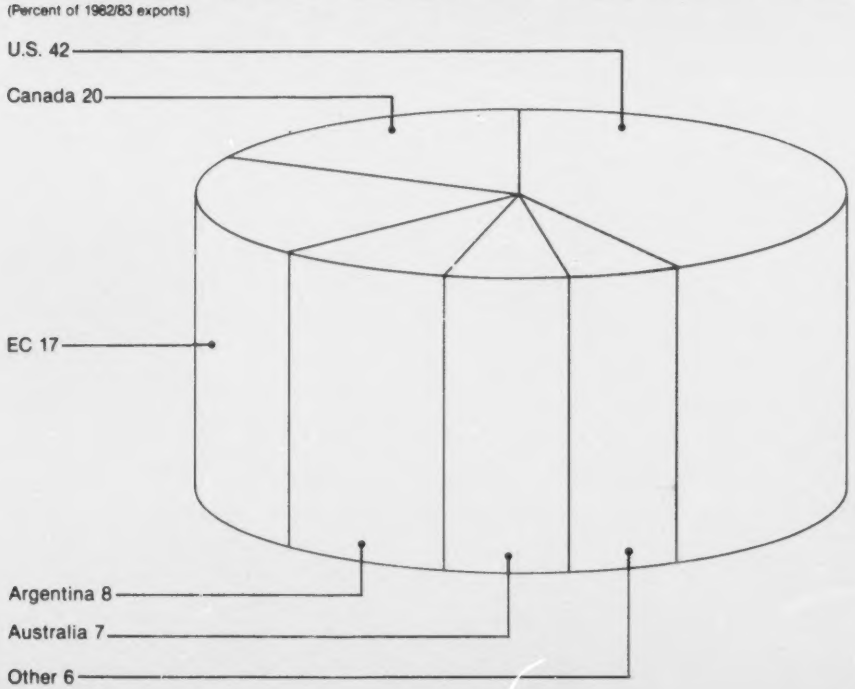
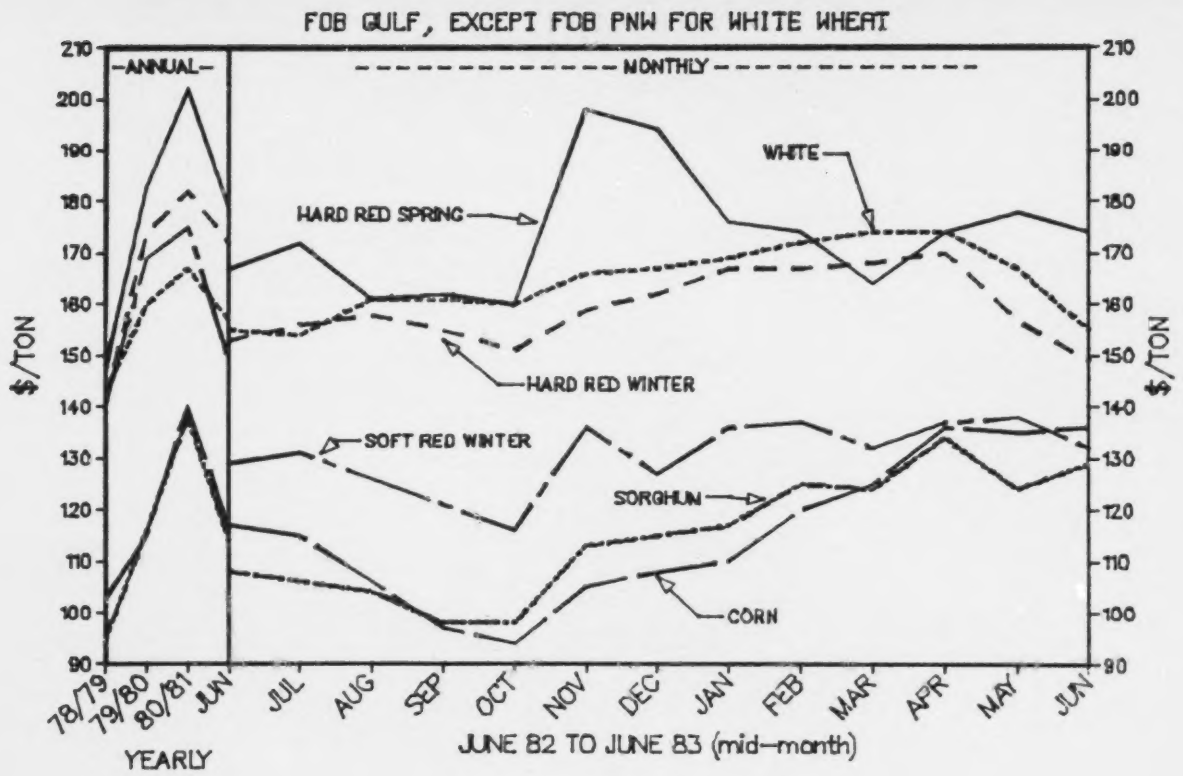
White Pan Bread Marketing Spreads



Five Countries Dominate World Wheat Trade



U.S. Grain Commodity Export Prices



U.S. Wheat Exports by Destination

(JUNE/MAY -- 1,000 TONS)

Destination	1978/79	1979/80	1980/81	1981/82	1982/83 1/
EC-10	2,308	2,372	2,490	2,478	1,748
Other W. Europe	940	1,298	1,155	2,213	738
Eastern Europe	681	2,847	1,230	545	196
USSR	2,604	4,422	3,000	6,539	3,374
China	2,618	1,616	8,700	7,950	5,324
Japan	3,306	3,095	3,530	3,417	3,322
Rep. of Korea	1,637	1,815	2,050	1,821	1,757
India	3	---	26	1,580	3,885
Egypt	1,393	1,249	1,600	2,483	1,728
Nigeria	852	1,024	1,140	1,272	1,241
Mexico	885	1,015	1,100	767	57
Brazil	1,696	2,194	2,170	3,115	2,113
Others	11,021	11,839	10,121	12,930	12,745
Total Wheat Excl. Products	30,703	35,603	39,312	47,110	38,228

1/ Sales plus accumulated exports as of June 16, 1983, excluding sales for next marketing year

Source: FAS/USDA

Sponsored by Du Pont Agrichemicals

U.S.S.R. Wheat and Coarse Grains Imports

USSR Imports of Wheat and Coarse Grains by Source 1973/74 - 1982/83
July/June Years
(Million Metric Tons)

	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81	Preliminary 1981/82	Projected 1982/83
Wheat										
U.S. 1/	2.7	1.0	4.0	2.9	3.3	2.9	3.9	3.0	6.9	3.0
Canada	1.6	.3	3.2	1.2	1.7	2.0	2.1	4.5	4.8	7.1
Australia	.1	.6	1.2	.4	.3	.1	2.7	2.5	2.4	1.0
Argentina	--	.6	1.2	.1	1.1	--	2.0	3.0	3.1	4.2
EC	--	--	--	--	--	--	.7	0.9	1.7	3.5
Others	.1	--	.4	--	.2	.1	.6	2.1	0.6	1.7
Total*	4.5	2.5	10.1	4.6	6.7	5.1	12.1	16.0	19.5	20.5
Coarse Grains										
U.S. 1/	5.2	1.3	9.9	4.5	9.2	8.3	11.3	5.0	8.5	3.2
Canada	.2	--	1.3	.2	.2	.1	1.3	2.3	4.4	1.8
Australia	0	.1	.8	.1	--	--	1.3	0.4	0.1	
Argentina	.3	1.1	.2	.2	1.6	1.4	3.1	8.2	10.2	5.4
EC	.5	.1	.5	.2	.2	.2	.2	0.6	0.7	0.3
Others	.2	.1	2.6	.3	.6	--	1.2	1.5	1.6	0.8
Total*	6.4	2.7	15.6	5.7	11.7	10.0	18.3	18.0	25.5	11.5
Total										
U.S. 1/	7.9	2.3	13.9	7.4	12.5	11.2	15.2	8.0	15.4	6.2
Canada	1.8	.3	4.5	1.4	1.9	2.1	3.4	6.8	9.2	8.9
Australia	.1	.7	2.0	.5	.3	.1	4.0	2.9	2.5	1.0
Argentina	.3	1.7	1.4	.3	2.7	1.4	5.1	11.2	13.3	9.6
EC	.5	.1	.5	.2	.2	.2	.9	1.5	2.4	3.8
Others	.3	.1	3.0	.3	.8	.1	1.8	3.6	2.2	2.5
Total*	10.9	5.2	25.7	10.3	18.4	15.1	30.4	34.0	45.0	32.0

-- Denotes less than 50,000 tons.
* Totals may not add due to rounding. Excludes rice and pulses.
1/ U.S. exports based upon Export Sales data, which normally include transshipments whereas Census may not.

Peoples' Republic of China Grain Imports

July/June, 1976/77-1982/83 1/

ITEM	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82	1982/83 2/
			1,000 metric tons				
Total Grain	3,142	8,639	10,969	10,786	14,824	14,672	15,667
Argentina	477	432	1,044	465	200	245	2,250
Australia	745	4,603	1,438	3,637	1,484	1,492	1,150
Canada	1,920	3,321	3,181	2,647	2,922	3,068	4,100
United States 3/	--	283	5,209	3,858	9,335	9,335	6,525
EEC	--	--	--	--	642	134	1,375
Thailand	--	--	--	--	241	378	267
Other	--	--	97	179	--	20	--
Wheat	3,142	8,080	7,995	8,898	13,712	13,049	13,000
Argentina	477	373	885	465	200	199	2,100
Australia	745	4,603	1,438	3,572	1,440	1,384	1,150
Canada	1,920	3,321	3,181	2,647	2,922	2,991	4,100
United States 3/	--	283	2,491	2,135	8,508	8,359	4,275
EEC	--	--	--	--	642	116	1,375
Other	--	--	--	79	--	--	--
Coarse Grains	--	59	2,974	1,888	992	1,328	2,500
Argentina	--	59	159	--	0	46	150
Australia	--	--	--	65	44	108	0
Thailand	--	--	97	100	121	83	100
United States 3/	--	--	2,718	1,723	827	996	2,250
Canada	--	--	--	--	0	77	0
Other	--	--	--	--	--	18	--

1/ Wheat and coarse grains only.
2/ Preliminary or estimated.
3/ Direct exports plus transshipments through Canada.

Wheat Supply and Disappearance: Major U.S. Competitors

1972-73 - 1983-84
MILLION METRIC TONS/HECTARES

	AREA HARVESTED	YIELD	PRODUCTION	DOMESTIC USE	- - EXPORTS 1/ - JUL/JUN	MKT YEAR	MKT YEAR 2/ END STOCKS
Canada (Marketing Year Aug/Jul)							
1972/73	8.6	1.68	14.5	4.8	15.6	15.7	9.9
1973/74	9.6	1.69	16.2	4.6	11.7	11.4	10.1
1974/75	8.9	1.49	13.3	4.6	11.2	10.7	8.0
1975/76	9.5	1.80	17.1	4.6	12.1	12.3	8.2
1976/77	11.3	2.10	23.6	5.0	12.9	13.4	13.3
1977/78	10.1	1.96	19.9	5.1	15.9	16.0	12.1
1978/79	10.6	2.00	21.1	5.3	13.5	13.1	14.9
1979/80	10.5	1.64	17.2	5.5	15.0	15.9	10.7
1980/81	11.1	1.73	19.2	5.0	17.0	16.3	8.6
1981/82	12.4	2.00	24.8	5.2	17.8	18.4	9.7
1982/83 3/	12.6	2.19	27.6	4.9	21.0	21.0	11.5
1983/84 4/	13.5	2.00	27.0	4.9	21.5	21.5	12.1
Australia (Marketing Year Dec/Nov)							
1972/73	7.6	0.87	6.6	3.3	5.6	4.3	0.6
1973/74	8.5	1.34	12.0	3.5	5.4	7.0	2.0
1974/75	8.3	1.37	11.4	3.1	8.3	8.6	1.7
1975/76	8.6	1.40	12.0	2.3	7.9	8.7	2.7
1976/77	9.0	1.30	11.7	2.8	8.5	9.5	2.1
1977/78	10.0	0.94	9.4	2.2	11.1	8.4	0.8
1978/79	10.2	1.77	18.1	2.6	6.7	11.7	4.6
1979/80	11.2	1.45	16.2	3.3	14.9	13.2	4.4
1980/81	11.3	0.96	10.9	3.6	10.6	9.6	2.1
1981/82	11.9	1.37	16.3	3.3	11.0	12.1	3.0
1982/83 3/	9.0	0.97	8.7	3.6	8.0	7.0	1.1
1983/84 4/	13.5	1.26	17.0	3.4	11.0	12.5	2.2
Argentina (Marketing Year Dec/Nov)							
1972/73	5.0	1.39	6.9	4.3	3.4	3.2	0.3
1973/74	4.0	1.66	6.6	4.2	1.1	1.6	1.0
1974/75	4.2	1.41	6.0	4.5	2.2	1.8	0.7
1975/76	5.3	1.63	8.6	5.4	3.2	3.2	0.7
1976/77	6.4	1.71	11.0	4.2	5.6	5.9	1.6
1977/78	3.9	1.46	5.7	4.3	2.6	1.8	1.2
1978/79	4.7	1.73	8.1	4.1	3.3	4.1	1.1
1979/80	4.8	1.69	8.1	4.0	4.8	4.8	0.4
1980/81	5.0	1.55	7.8	3.9	3.9	3.8	0.4
1981/82	5.5	1.38	8.1	4.1	4.3	3.6	0.7
1982/83 3/	7.3	1.58	14.5	4.2	7.5	10.3	0.7
1983/84 4/	6.8	1.69	11.5	4.3	8.0	7.5	0.5
European Community (Marketing Year Aug/July)							
1972/73	12.0	3.61	43.3	44.7	6.0	11.9	5.9
1973/74	11.7	3.69	43.2	41.9	5.2	11.7	7.6
1974/75	12.2	3.92	47.7	42.8	6.9	12.3	10.0
1975/76	11.4	3.53	40.2	40.0	8.6	14.5	7.7
1976/77	12.1	3.42	41.5	40.5	7.1	10.9	7.4
1977/78	11.0	3.66	40.2	41.3	5.0	12.6	6.2
1978/79	12.0	4.20	50.3	42.7	8.8	15.3	9.1
1979/80	12.0	4.08	48.8	43.3	10.4	17.5	8.0
1980/81	12.6	4.38	55.1	43.9	14.7	20.7	8.8
1981/82	12.6	4.30	54.4	44.6	15.6	22.1	7.7
1982/83 2/	13.0	4.60	59.6	44.4	15.5	23.1	10.2
1983/84 3/	13.2	4.59	59.5	46.1	15.5	24.0	11.3

1/ Includes the wheat equivalent of flour.
2/ Net changes in farm stocks are reflected in domestic disappearance.
3/ Preliminary
4/ Projected

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Wheat Inspected for Export by Class, Region and Port Area

JUNE 1982 - MAY 1983
-1,000 BUSHELS-

AREAS	HARD RED SPRING	HARD RED WINTER	SOFT RED WINTER	WHITE	DURUM	MIXED	TOTAL
ST LAWR SWY							
SEAWAY PORTS	22,312	-	132	1,704	4,776	-	28,924
SUBTOTAL	22,312	0	132	1,704	4,776	0	28,924
LAKES							
(OVERSEAS)							
CHICAGO AREA	110	-	668	-	-	-	798
DULUTH-SUPR	34,663	-	-	-	26,864	-	61,527
TOLEDO AREA	-	-	1,409	-	-	-	1,409
SAGINAW AREA	-	-	-	-	-	-	0
SUBTOTAL	34,773	0	2,097	0	26,864	0	63,734
ATLANTIC							
NORTH	-	-	4,694	-	-	-	4,694
SOUTH	-	-	59,778	3,414	-	-	63,192
SUBTOTAL	0	0	64,472	3,414	0	0	67,886
GULF							
MISS RIVER	66,758	19,972	224,430	-	8,694	3,278	323,132
EAST GULF	-	-	22,359	-	182	-	22,541
N TEX GULF	-	463,698	4,701	-	268	-	468,667
S TEX GULF	382	1,593	-	-	-	-	1,975
SUBTOTAL	67,140	485,263	251,490	0	9,144	3,278	816,315
PACIFIC							
COLUMBIA R	97,199	106,014	-	168,666	182	-	372,061
PUGET SOUND	4,948	6,807	-	33,384	-	-	45,139
CALIFORNIA	-	29,727	-	-	9,849	-	39,576
SUBTOTAL	102,147	142,548	0	202,050	10,031	0	456,776
INTERIOR	-	-	-	-	-	-	0
SUBTOTAL	0	0	0	0	0	0	0
TOTALS							
JUNE 82 - MAY 83	226,372	627,811	318,191	207,168	50,815	3,278	1,433,635
JUNE 82 - MAY 82	197,641	716,330	452,398	259,445	71,225	7,156	1,704,195

WHEAT SHIPPED FOR STORAGE IN CANADA IS REPORTED AT THE TIME OF SHIPMENT FROM ST LAWR SWY PORTS.

SOURCE: Grain and Feed Market News; AMS - USDA.

Wheat (Grades and Grade Requirements for All Classes of Wheat Except Mixed)

Grade	Minimum test weight per bushel: Hard Red Spring Wheat or White Club Wheat	Minimum test weight per bushel: All other classes & subclasses	Maximum limits of: Heat-damaged Kernels	Damaged Kernels (total)1/	Foreign Material	Shrunken and broken Kernels	Defects (total)2/	Wheat of other classes 3/: Contrasting classes	Wheat of other classes 3/: Wheat of other classes (total)4/
	Pounds	Pounds	Percent	Percent	Percent	Percent	Percent	Percent	Percent
U.S. No. 1	58.0	60.0	0.2	2.0	0.5	3.0	3.0	1.0	3.0
U.S. No. 2	57.0	58.0	0.2	4.0	1.0	5.0	5.0	2.0	5.0
U.S. No. 3	55.0	56.0	0.5	7.0	2.0	8.0	8.0	3.0	10.0
U.S. No. 4	53.0	54.0	1.0	10.0	3.0	12.0	12.0	10.0	10.0
U.S. No. 5	50.0	51.0	3.0	15.0	5.0	20.0	20.0	10.0	10.0
U.S. Sample grade	U.S. Sample Grade shall be wheat which: (1) Does not meet the requirements for the grades U.S. Nos. 1, 2, 3, 4, or 5; or (2) Contains a quantity of smut so great that one or more of the grade requirements cannot be determined accurately; or (3) Contains 8 or more stones, 2 or more pieces of glass, 3 or more crotalaria seeds (Crotalaria spp.), 3 or more castor beans (Ricinus communis), 4 or more particles of an unknown foreign substance(s) or a commonly recognized harmful or toxic substance(s), or 2 or more rodent pellents, bird droppings, or an equivalent quantity of other animal filth per 1,000 grams of wheat; or (4) Has a musty, sour, or commercially objectionable foreign odor (except smut or garlic odor); or (5) Is heating or otherwise of distinctly low quality.								

1/ Includes heat-damaged kernels.
2/ Defects (total) include damaged kernels (total), foreign material, and shrunken and broken kernels. The sum of these three factors may not exceed the limit for defects.
3/ Unclassed Wheat of any grade may contain not more than 10 percent of wheat of other classes.
4/ Includes contrasting classes.

Wheat Harvest Calendar & Statistical Crop Year

Country	WHEAT HARVEST PERIOD: Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Statistical Crop Year
EEC:													
Belgium							XXXXXXXXXX						Aug. 1/July 31
Denmark							XXXXXXXXXX						Aug. 1/July 31
France						XXXXXXXXXXXXXXXX							Aug. 1/July 31
Germany							XXXXXXXXXX						Aug. 1/July 31
Ireland							XXXXXXXXXX						Aug. 1/July 31
Italy						XXXXXXXXXXXXXXXX							Aug. 1/July 31
Luxemburg							XXXXXXXXXX						Aug. 1/July 31
Netherlands							XXXXXXXXXX						Aug. 1/July 31
United Kingdom							XXXXXXXXXX						Aug. 1/July 31
USSR:													
Central							XXXXXXXXXX						Jan. 1/Dec. 31
North								XXXXXXXXXX					Jan. 1/Dec. 31
South						XXXXXXXXXXXXXXXX							Jan. 1/Dec. 31
North & Cent. Am.:													
Canada								XXXXXXXXXX					Aug. 1/July 31
Mexico				XXXXXXXXXXXXXX									----------
USA:													
Central						XXXXXXXXXX							June 1/May 31
North								XXXXXXXXXX					June 1/May 31
South						XXXXXXXXXX							June 1/May 31
So. Am.													
Argentina	XXXX										XXXXXXXXX		Dec. 1/Nov. 30
Brazil	XXXX										XXXXXXXXX		----------
Chile	XXXX											XXX	July 1/June 30
Asia:													
China, P.R.					XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX								----------
India		XXXXXXXXXXXXXXXX											Apr. 1/Mar. 31
Iran				XXXXXXXX									Mar. 21/Mar 20
Japan					XXXXXXXXXXXXXXX								Apr. 1/Mar. 31
Africa:													
Egypt		XXXXXXXXXXXXXXXXXXXX											July 1/June 30
Oceania:													
Australia	XXXX									XXXXXXXXXXXXXXX			Dec. 1/Nov. 30

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Wheat: Weights & Measures

One bushel of wheat equals 60 pounds.

Weight		Equivalent		Weight	Equivalent	
1 Bushel	=	.030	Short tons	1 Short ton	33.333	Bushels
1 Bushel	=	.0272155	Metric tons	1 Metric ton	36.7437	Bushels
1 Bushel	=	.0267857	Long tons	1 Long ton	37.333	Bushels
1 Bushel	=	27.21555	Kilograms	1 Kilogram	.036744	Bushels

Acreage Equivalents

1 hectare = 2.47 acres

1 acre = .40 hectares

1 square mile contains 640 acres

Wheat Flour

100 pounds = 2.30 bushels of wheat

1 barrel wheat flour = 196 pounds

4.51 bushels of wheat = 1 barrel of flour

Five Basic Classes of Wheat

Wheat varieties grown in the United States are either "winter wheat" or "spring wheat", depending on the season each is planted. Winter wheat varieties are sown in the fall and make some preliminary growth before cold weather arrives. The plants lie dormant through the winter. In the spring they resume growth and grow rapidly until summertime harvest. Spring wheat which is produced in northern states where winters are too severe for fall sown wheat to survive, is sown in the spring as soon as the ground is workable, and it grows continuously until harvest.

The many varieties of winter and spring wheat are grouped into five classes. The class a variety fits into is determined by the hardness and the color of its kernels, as well as by its planting time. Each class of wheat has its own similar family characteristics, especially as related to milling and to baking or other food use.

The five basic classes:

HARD RED WINTER: An important bread wheat. Accounts for more than half of the U.S. wheat crop and more than half of the wheat exports. Produced in the Great Plains states, a large interior area extending from the Mississippi River west to the Rocky Mountains, and from the Dakotas and Montana down to Texas. Fall seeded. Wide range of protein content, Good milling and baking characteristics. No subclasses.

HARD RED SPRING: Another important bread wheat. Excellent protein content and milling and baking characteristics. Spring seeded. Grown in north central United States --- North Dakota, South Dakota, Minnesota and Montana. Comprises 10 to 15% of U.S. wheat exports. Subclasses include Dark Northern Spring, Northern Spring and Red Spring.

SOFT RED WINTER: Grown in the eastern third of the United States. High Yielding. Relatively low protein. Provides flour for cakes, pastries, quick breads, crackers, and snack foods. Comprises from 5 to 10% of U.S. wheat exports. No subclasses.

WHITE WHEAT: Used in the same ways as Soft Red Winter (for bakery products other than bread.) Grown mainly in the Pacific Northweast; to a lesser extent in California, Michigan, Wisconsin and New York state. Includes both winter and spring varieties. High yields. Relatively low protein. An important export wheat, particularly to the Far East. Comprises up to 20% of U.S. wheat exports. Subclasses include Hard White, Soft White, Western White and White Club.

DURUM: The hardest of all U.S. wheats. Provides semolina for spaghetti, macaroni and other pasta products. Grown in the same northern area as Hard Red Spring mainly in North Dakota. Comprises about 5% of total U.S. wheat exports. Subclasses are Hard Amber Durum, Amber Durum and Durum.

Other Classes:

UNCLASSED WHEAT: Any variety of wheat which is not classifiable under other criteria provided in the wheat standards. There are no subclasses in this class. This class includes: 1) Red Durum wheat, 2) Any wheat which is other than red or white in color.

MIXED WHEAT: Any mixture of wheat which consists of less than 90% of one one class and more than 10% of one other class, or a combination of classes which meets the definition of wheat.

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Wheat Facts

One bushel of wheat yields 73, one pound loaves of white bread.

2.3 bushels of wheat yields 100 pounds of four ... and that much flour makes approximately 90 loaves of 22.5 ounce bread.

Per capita consumption of wheat flour and cereal totaled 114 pounds in 1982.

One farmer now supplies enough food for 76 people - only 10 years ago he was producing for 29.

Production from one cropland acre out of every four goes overseas.

Americans spend about 16 percent of their disposable income on food, both at home and away from home.

A modern combine can harvest 1,000 bushels per hour. Since one bushel of wheat yields 73, one pound loaves, this equates to 73,000 loaves per hour or 1,217 per minute.

Developing a conventional new wheat hybrid takes a minimum of 10 years.

In 1880, 373 man-hours were required to produce 100 bushels of wheat, compared to 10 man-hours today.

One bushel of wheat contains approximately one million individual kernels.

Two tons of water are required to grow enough wheat for a one pound loaf of bread.

Per capita disposable income of farmers is 88 percent of that of the non-farm population.

Three percent of the U.S. work force is directly involved in producing crops and livestock, another 19 percent are employed in the manufacturing, processing, transporting, and retailing industries associated with food production and consumption.

1983
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